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Alginic acid combining prepn. - comprises soft capsule with membrane of gelatin, plasticiser, sodium alginate, etc.

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Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 1313421	A	19891218	JP 88145123	A	19880613	199005 B

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Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 1313421	A	4		

Abstract (Basic): JP 1313421 A

Alginic acid combining prepn. contg. soft capsule is claimed, where soft capsule composed of membrane by homogeneously mixed coating of 100 pts.wt. of gelatin or low methoxylpectin, 10-50 pts.wt. of plasticiser (glycerol, sorbitol, etc.), 0.3-10 pts.wt. of Na-alginate, is crosslinked iwth at least bivalent cationic ion (esp. Ca ion).

Pref. the membrane is nondried, semidried or dried substance. By using this coating capsule is obtd. by rotary encapsulating machine. To obtain soft capsule, alginic acid combining prepn. soft capsule is immersed in 0.1-50% (pref. 0.5-10%) NaCl soln., then washed with H2O one-3 times. The coating soln. and inner soln. are moulded to seamless capsule or microcapsule by seamless encapsulating machine or microencapsulating machine.

USE/ADVANTAGE - The soft capsule has high water resistance, heat resistance, it is useful for food processing, drug, toiletry, etc., stable quality is guaranteed. Esp., it is good for enteric coating capsule.

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Derwent Class: B07; D13; D21

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